Ham-Digital Digest   Sat, 1 Oct 94   Volume 94 : Issue 326

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                           Chicago clubs
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              TNC (KPC-3 versus MFJ-1274C) (2 msgs)
                        Where to get XPCOM?

Date: Thu, 29 Sep 94 20:19:12 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-
state.edu!math.ohio-state.edu!howland.reston.ans.net!EU.net!sunic!
news.chalmers.se!etek.chalmers.se!e89_bond@@.
Subject: 2Mbit project
To: ham-digital@ucsd.edu

     Hi,

Do you know where to find the MC13055? According to Motorola in Sweden,

they don't make it anymore, but I hope to find it somewhere :-)! I'm
planning to use the IC in the ARRL Handbook 2Mbit datalink, and if
I can't find it, I'd like to get info from people who have replaced
it with some other. MC3356? MC13155? NE604? NE605?

73 de Fredrik

 Chalmers   I Fredrik Bonde   I e-mail: e89_bond@etek.chalmers.se
 Tekniska   I Gibraltargatan 82-149 I packet: SM6UBC @ SK6YW.O.SWE.EU
 H|gskola   I 412 79 G|teborg   I   tel: +46-(0)31-20 88 76
             I SWEDEN   I

Date: 27 Sep 1994 21:45:11 -0000
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
EU.net!news.eunet.fi!KremlSun!izhmar!quorus!newsserv@network.ucsd.edu
Subject: [Q]: FBB(5.15)+BPQ(HF&VHF)+modem. Modem does not answer...
To: ham-digital@ucsd.edu

  Hello and thanks for reading this posting.

  We are having trouble with FBB(5.15) + BPQ(HF&VHF) + modem. Modem does not
work properly in answer mode (it does not answer incoming calls) but it works
in originated mode. Modem is internal 2400 and works very good with other
terminal programs (Telemate 3.10). The computer is IBM PC-AT (10 MHz).

  If you can help us, please send an email to me. I'd love to hear from
you!

  MANY thanks, in advance.

73 de Nick, RZ9CN, member of RZ9CWW radioclub.
----
e-mail: NickS@asc.e-burg.su

Date: 29 Sep 1994 20:21:28 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!swrinde!sgiblab!
sisters.cs.uoregon.edu!cs.uoregon.edu!usenet.ee.pdx.edu!psu_075.chem.pdx.edu!
metnet.geog.pdx.edu!mcnalley@network.ucsd.edu

Subject: a scary idea for the DEC Rainbow
To: ham-digital@ucsd.edu

     Maybe I'm missing something obvious, but why not just kermit into
a unix host and use the DEC box as a dumb term? For SLIP to be useful,
you would really want a multitasking OS, wouldn't you? Unless you
made a SLIP TSR thing just to run a telnet or ftp daemon (although you'd
still need a multitasking OS if more than one person wanted to log in)...
sounds like an interesting hack though, if just for the sake of a hack,
but I thought hacks were supposed to be insant *looking* solutions to *real*
problems...

David Moisan (moisan@bronze.lcs.mit.edu) wrote:
: In article <36c47b$msa@vixen.cso.uiuc.edu>,
: Dwight A. Schwartz <ds@feldspar.geology.uiuc.edu> wrote:
: >Hi Rainbow lovers,

: Well, I used to use the Rainbow and liked it, but that's not what
: this is about, exactly. :)
: >

: > My idea is this: MS-DOS Kermit for the Rainbow contains source code
: >which directly handles the Rainbow's communciations hardware. KA9Q appears to
: >contain the code needed to run SLIP on an IBM-PC style MS-DOS machine. How
: >feasible is it to take the code from the Rainbow's Kermit for controlling the
: >serial port hardware and using it within a program like KA9Q, with the end
: >result that we would have SLIP for the Rainbow? My thought was that then we
: >could use the latest Rainbow Kermit (perhaps modified to connect to a BIOS

: I have wondered this myself, albeit with my DECmate II, which has the Z80
: card. I know that, of all the terminal programs I've seen in the CP/M
: environment, Kermit-80 was the only one with a specific overlay for
: my machine, oddly enough.

: I have been tracking down leads for a CP/M-based KA9Q but have come up
: empty. I've even thought of taking Phil Karn's source and running it
: through HiTech C (which I've not downloaded yet) to get a working (NOT!)
: copy there.
:
: I don't think you need a PhD to do this. I was planning on doing a SLIP
: for my HP48 just from reading Douglas Comer's books and Phil's code,
: though admittedly I've a CS degree. :)

: You'd probably have to accept a more limited feature set than you'd get
: on a Linux or even PC box, but for my purposes, that's fine. The DECmate
: will be connected to a TNC (radio modem) and the ham radio TCP/IP network
: (ampr) and thence by SLIP to my PC. I'd like to explore the HP for
: portable applications.

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: I've crossposted this to comp.os.cpm, alt.sys.pdp8, and rec.radio.amateur.
: digital.misc, since the folks there might have more ideas for us.

: Dave

: --
: | David Moisan, N1KGH    /^\_/^\   moisan@bronze.lcs.mit.edu      |
: | 86 Essex St. Apt #204 ( o ^ o )  n1kgh@amsat.org               |
: | Salem. MA 01970-5225     | |     ce393@cleveland.freenet.edu   |
: |                                                                |

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James McNalley          | "I have never let my schooling interfere with my
Linux/Unix  Hacker      | education" -Mark Twain
Portland, OR            |  "Live free or die" -New Hampshire motto
mcnalley@metnet.geog.pdx.edu -or- mcnalley@agora.rdrop.com

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Date: Wed, 28 Sep 1994 23:15:05 UNDEFINED
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!torn!news.unb.ca!
nbt.nbnet.nb.ca!nbnet.nb.ca!ve9bm@network.ucsd.edu
Subject: Buckmaster & FBB
To: ham-digital@ucsd.edu

G'day
     I was wondering if anybody could help me find (if it is available) the
program module to allow the FBB software to utilize the Buckmaster CD-ROM.

Thanks for your help

73 de Brent
ve9bm@ve9bbs.#snb.nb.ca  packet
ve9bm@nbnet.nb.ca  Internet

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Date: 30 Sep 94 17:21:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Chicago clubs
To: ham-digital@ucsd.edu

Please send me a message with your E-Mail address, and I'll send you
complete details on CAPRA, the Chicago Area Packet Radio Association.
CAPRA has built and maintains most of the network in the Chicago area.
--
 Dave Ewaldz  INGERSOLL MILLING MACHINE CO.
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   N9HKM          Rockford, Illinois, USA

   Internet          - dme@ingersoll.com
   Amprnet           - n9hkm%n9hkm.ampr.org@ke9yq.ampr.org
   Ma-Bell           - (815)-987-6081
   Packet ax25 mail - n9hkm@n9hkm.#ncil.il.usa.noam

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Date: Fri, 30 Sep 1994 17:18:21 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!news.sprintlink.net!openwx!
eskimo!aandh@network.ucsd.edu
Subject: Control Program?
To: ham-digital@ucsd.edu

Hi take a look at xpcom I think its the best out there. you can download
it from Indirect.com or eskimo.com and try it for 100 times. also I am
working on a interface for it to logic3 log program.
73 Jim K7UDG/UA4PDG

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Date: Thu, 29 Sep 1994 14:18:26 GMT
From: hplntx!cello.hpl.hp.com!col.hp.com!srgenprp!glenne@hplabs.hpl.hp.com
Subject: EME digital link
To: ham-digital@ucsd.edu

Bart Rowlett (bart@wb6hqk.ampr.org) wrote:
: In article <368pp8$mn0@cismsun.univ-lyon1.fr>, Elendir <elendir@enst.fr> wrote:
: > Hi !
: >
: > Let's assume a 10 W output and a 33 dB dish. Attenuation is something like
: >280 dB ; so we get -237 dB. We have again the 33 dB gain, so it goes -204 dB
: >or 446 pV sensitivity.
: >
: > That's tough, but why not ?

: It's even tougher than that.  The moon is an extended reflector and
: therefore creates considerable dispersion in the echoed signal requiring
: a rather fancy adaptive equalizer on on the order of 10 milliseconds long
: with enough taps to accommodate the channel signalling rate.  10 Mbps
: is probably rather aggressive.


I'd say "rather aggressive" is mild (:>).  Not only is there bad
spreading but (assuming your attenuation numbers are correct) your
receiver gets to see +40+33-280+33=-174 dBm.  Since the moon itself is
about 200 Kelvin at 10 GHz (though with only a 33 dB gain antenna it
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will not fill your aperture) and if the receiver has a 1 dB NF you get
about 0 dB C/N in 1 Hz of bandwidth. Shannon has to be reckoned with
and I'm afraid you are now about 7 orders of magnitude away from a goal
of 10 Mbps.

I think you'd stand a better chance with a series of troposcatter links
across the path.

73
Glenn Elmore n6gn

amateur IP: glenn@SantaRosa.ampr.org
Internet: glenne@sr.hp.com

Date: 29 Sep 1994 08:25:24 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!
news.eunet.fi!news.spb.su!satisfy.kiae.su!kiae!relcom!demos1!news.uni-
stuttgart.de!moritz@network.ucsd.edu
Subject: Graphic Packet in English?
To: ham-digital@ucsd.edu

In article <362an2$ic8@crl7.crl.com>, Dennis E. Jacobson <n6ng@crl.com> wrote:
>
>
>Just curious... Maybe you get an english version when you register?

Hi Dennis, There is no such thing as a registration for GP.
It is a very versatile and comfortable software, and it is *FREE*,
unlike oter packages, where up to 100$ is charged for less software.

About the english version, may be writing a line to Ulf, the autor
on AX25 might be an idea?

Moritz DL5UH

Date: 29 Sep 1994 13:09:50 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!swiss.ans.net!solaris.cc.vt.edu!
news.duke.edu!godot.cc.duq.edu!codger!broderic@network.ucsd.edu
Subject: Help: K9NG Pinouts Needed?
To: ham-digital@ucsd.edu

I have lost my data sheet on the k9ng.

Does anyone know the pinouts from the modem to the radio?

I have deduced (I think...):

pin 2   +
pin 3   TXData
pin 4   Ground

(could also be 4-3-2)

Thanks in advance...
Don Broderick, n3guz

Date: 29 Sep 1994 07:48:55 -0700
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!netline-
fddi.jpl.nasa.gov!nntp-server.caltech.edu!news.claremont.edu!kaiwan.com!not-for-
mail@network.ucsd.edu
Subject: Kantronics 9612 - What is it
To: ham-digital@ucsd.edu

In article <1994Sep28.170156.22367@govonca.gov.on.ca>,
rumbalj@govonca.gov.on.ca (John Rumball) wrote:
>   Can someone please tell me what the Kantronics 9612 is? Is it a tnc like
> the KPC4 but with both a 9600 bps rf port and a 1200 bps rf port?
> >
> 73 de John, VA3BUS
>
> --
  John..

  It is like the KPC-4 only built in a slightly larger case than the KPC-3.
  It has two modems 1200 baud and 9600 baud. You can operate both at the
  same time and it does have the ability to operate as a KANODE with
  cross-banding. I have had mine for about a month operating 1200 baud on
  two meters and 9600 baud on 440. I am using it with KAGOLD software.
  I am very happy with the performance. I would recommend considering
  the 128K memory (approx $25 US) option if you need a large mailbox or
  several NUMNODES.

  73,
  Bob

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 | E-Mail: bnovak@kaiwan.com | Packet: K0OK@K6VE.#SOCA.CA.USA.NA |

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In article <1994Sep30.144630.28369@ve6mgs.ampr.org> mark@ve6mgs.ampr.org (Mark G.
Salyzyn) writes:

>Followups redirected to alt.folklore.computers.

>William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.rockwell.COM writes:
>>>multitasking like RSX-11m, another CPM inspired OS.)
>>I don't recall RSX being particularly derived or inspired from CPM...

   Sad how history can get rewritten by someone who thinks their
   favorite OS was the first one in the world, especially considering

   1/ The obvious 10-year chronoclasm between the emergence of RSX-11
      and the emergence of CPM, and

   2/ because CPM was a TOTALLY OBVIOUS port of OS8/PS8 from the PDP8,
      since the names, command syntax, etc were identical. (Come on,
      PIP, TECO (with another name,) ...)

   3/ if you look at the Intel and motorola chip dynasties, you find

      8088/80286/etc were early implementations of PDP8 micros, and
      CPM-DOS etc looked much like OS8.

      Motororola 6xxx series were modeled more on the PDP11, including
      the hardware for good multitasking.

      Most of the monstrosities of Windows, etc on the PC result from
      building on the wrong foundation, that of a single-user computer
      and system.

   'nuff said.

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Frank R. Borger - Physicist       ___       "Rain, sleet, snow, and dark of night
Michael Reese - U of Chicago     |___          don't bother us, but we have a lot
Center for Radiation Therapy     | |_) _     of trouble with closets, basements,
net: Frank@rover.uchicago.edu    | \|_)    car trunks and viaducts."
ph: 312-791-8075 fa: 791-2517       |_)    - New Chicago Post Office Motto.
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Date: Wed, 28 Sep 1994 22:30:32 GMT
From: netcomsv!netcom.com!gbalfanz@decwrl.dec.com
Subject: TNC (KPC-3 versus MFJ-1274C)
To: ham-digital@ucsd.edu

Frode Weierud (frode@dxcern.cern.ch) wrote:
: I am considering buying a TNC and would very much like
: your opinions, experiences, etc.

: I have read the QST review of differnet TNCs in Dec. 1993
: and I have narrowed my choice down to the KPC-3 or
: the MFJ-1274C. The MFJ-1274C was not reviewed in Dec. 93,
: but rather the MFJ-1274B, the earlier model.

I am considering the KPC-3 also, my only concern is that
1200 baud will be obsolete soon, but I am a packet newbie,
so I don't know if 9600 is prevalent here in the states.

Still, at $115 US, it is a low risk proposition.
9600 baud TNC's are about $225.

What is the net wisdom?

Greg

Date: Thu, 29 Sep 1994 09:29:56 GMT
From: newsflash.concordia.ca!nstn.ns.ca!cs.dal.ca!cfn.cs.dal.ca!aa770@uunet.uu.net
Subject: TNC (KPC-3 versus MFJ-1274C)
To: ham-digital@ucsd.edu

Thom Forbes (forbes@intac.com) wrote:
: In article <1994Sep28.082904.2026@dxcern.cern.ch>, frode@dxcern.cern.ch (Frode
Weierud) says:
: >
: >I am considering buying a TNC and would very much like
: >your opinions, experiences, etc.
: >
: >I have read the QST review of differnet TNCs in Dec. 1993
: >and I have narrowed my choice down to the KPC-3 or
: >the MFJ-1274C.

Just thought I would throw my two cents worth your way I owned a
MFJ-1270B which is the same as the 1274 without the tuning LED I switched
to the KPC for taking on the road for size and pwr reasons . I would say

that they are both excellent machines I had my MFJ for 4 yrs and it is
now digipeating on a Hill in PEI. Now the choice should be made based on
what you plan on doing with the tnc if you are only going to do VHF work
with it then then the KPC-3 is the way to go . If you plan on dabbling
in HF packet ax.25 protocol then get the MFJ . For the same price you
get one mode on HF . Hope this muddies the waters a little :-)
73's de VE1BT rob....

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     ----------------------------------------------------
    |                                                    |
    |    Robert Harplle          Net:  aa770@cfn.cs.dal.ca |
    |    Callsign VE1BT           AX.25 VE1BT@#VE1BBS.NS.CA |
    |    Locator FN84il                                  |
    |    Dartmouth, Nova Scotia, Canada                  |
    |_____|
```

Date: Thu, 29 Sep 1994 15:25:36 GMT
From: netcomsv!netcom.com!seymour@decwrl.dec.com
Subject: Where to get XPCOM?
To: ham-digital@ucsd.edu

Greetings,

Would some kind soul please tell me how to get a copy of XPCOM?

My understanding is that this is a RTTY (possibly other modes) terminal
program that is highly regarded by some. I beleive it was written
by KF7XP.

If someone is aware of an FTP site where it can be found please let me know.
Otherwise, I'll try mailing a note to the callbook address for KF7XP.

Thanks in advance.
--
Ken Seymour
KN6QC
seymour@netcom.com

Date: Thu, 29 Sep 1994 18:51:06 GMT
From: hearst.acc.Virginia.EDU!cscsun!dtiller@uunet.uu.net
To: ham-digital@ucsd.edu

References <199409131447.HAA19241@ucsd.edu>, <CwFwL1.Lsn@cscsun.rmc.edu>,
<35ql7h$6ov@oak.oakland.edu>≥Ì
Subject : Re: DX Cluster on Internet

Ron Atkinson (ron@chaos) wrote:
: David Tiller (dtiller@cscsun.rmc.edu) wrote:

: : I'm certainly in favor of the 'real DX' mode - my point is why are we
: : cluttering up huge amounts of RF real estate forwarding those spots
: : up and down the planet when you could use internet tunnelling to get
: : it done faster, farther, and without jamming up half a billion vhf/uhf
: : simplex frequencies. I like the phone suggestion - unfortunately I'm
: : a lowly coded tech and can't participate.

: Because what is a good DX spot for one geographical location is not for
: another one. A DX station heard in New York may not be heard at all
: in Michigan. DX Packetclusters may be linked to each other, but many
: restrict the spots to a certain number of clusters away. A cluster
: might be neat to have on the Internet, but you'd have to either have
: everyones spots and a way to filter out only a geographical area that
: represents your RF coverage at the time or have every several clusters
: all over the place to be on the Internet and you connect to the one
: most local to you.

: A big reason to link DX clusters via the Internet is not to send DX spots
: to each other but it would be to send email to each other or just chat
: with another user on a distant packetcluster. Many have linked lots and
: lots of packetclusters together, but usually the users will complain about
: all the useless spots that they can't hear that are out of their RF
: coverage.

: Ron N8FOW

Yesbut....You could filter the distant spots out, leaving the email, etc.
I'd like to see the dx "coming" ie aas night falls DX should sweep toward
me - I think that'd be neat. If for nothing else, we could do research
into propagation, E layer stuff, etc.

I know the one I use i linked from Norfolk, Va to NY somewhere. The spots
we get are still useful...
--
David Tiller | Network Administrator | Voice: (804) 752-3710 |
dtiller@rmc.edu | n2kau/4 | Randolph-Macon College| Fax: (804) 752-7231 |
"Drunk, [Beowulf] slew no | P.O. Box 5005 | ICBM: 37d 42' 43.75" N |
hearth companions." | Ashland, Va 23005 | 77d 31' 32.19" W |

To: ham-digital@ucsd.edu

References <36ckr2$2q7@bronze.lcs.mit.edu>, <36gikd$vua@bigblue.oit.unc.edu>,
<1994Sep30.090856.28319@cc.usu.edu>ai
Subject : Re: a scary idea for the DEC Rainbow

In article <1994Sep30.090856.28319@cc.usu.edu>, <ivie@cc.usu.edu> wrote:
>In article <36gikd$vua@bigblue.oit.unc.edu>, lasner@sunSITE.unc.edu
(Charles Lasner) writes:
>> Writing the support for the 6120 side would be more practical though!
>

I thought the same. Is the slushware included in the OS/278 source?

I need to modify the serial printer port driver so that it goes bidirectional.
(The radio TNC will go on the printer port and the SLIP will go on the
comm port.)

Alternately, I've a serious need for a 6120 disassembler and disk editor.

>Speaking of which, does anyone have some documentation describing the protocol
>used between the Z80 and the 6120? I've only gotten about halfway through my
>disassembly of the Z80 BIOS (I keep getting distracted by other things), so
>I don't have much documented.

Makes two of us; I can probably get KA9Q with BIOS calls, if I get it going
at all, but using the 6120 I/O would make things more efficient and perhaps
even more interesting (!) as well...

Dave
--
| David Moisan, N1KGH   /^_/^\   moisan@bronze.lcs.mit.edu |
| 86 Essex St. Apt #204 (o ^ o) n1kgh@amsat.org |
| Salem. MA 01970-5225 | | ce393@cleveland.freenet.edu |
| |

End of Ham-Digital Digest V94 #326
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